

WHAT IS CLAIMED IS:

1. An electromagnetic drive device having a stator body composed of a core portion and a yoke portion serially arranged in axial alignment with a non-magnetic portion placed therebetween, a plunger slidably received in an inner bore formed in at least one of said yoke portion and said core portion in said stator body and resiliently urged in one direction, and an electromagnetic coil for exciting said stator body to move said plunger in the axial direction thereof against the resilient force, wherein said stator body is constituted by piling up in axial alignment and bodily joining a plurality of core portion annular plate elements made of a magnetic material to form said core portion, a plurality of yoke portion annular plate elements made of a magnetic material to form said yoke portion, and a plurality of non-magnetic portion annular plate elements made of a non-magnetic material to form said non-magnetic portion.

2. The electromagnetic drive device as set forth in Claim 1, wherein:

each of said annular plate elements constituting said stator body is composed of an annular body portion and plural embossed portions each half-blanked from said annular body portion to be prominent at one surface side and hollow at the other surface side; and

each of said annular plate elements is bodily joined with another annular plate element, with prominent portions of said embossed portions at one surface side of each annular plate element being fit respectively in hollow portions of said embossed portions at the other surface side of said another annular plate element.

3. The electromagnetic drive device as set forth in Claim 1, wherein a finish process is performed at said inner bore of said stator body composed of said bodily joined annular plate elements.

4. The electromagnetic drive device as set forth in Claim 2, wherein a finish process is performed at said inner bore of said stator body composed of said bodily joined annular plate elements.

5. The electromagnetic drive device as set forth in Claim 2, wherein each of said embossed portions takes the form of an arc in section taken in the circumferential

direction of each annular plate element.